

Attorney Docket No.: 940630-010018

**I. LIST OF CLAIMS**

1. (Currently Amended) In a computer-assisted information analysis system employing data operators including search terms and filters, a [A computer assisted] method for analyzing information from a data source, comprising:

selecting one or more data sources, wherein said data sources contain at least one of the group consisting of a text file, audio file, video file, graphic file, and picture file;

selecting a plurality of said data operators for analyzing information;

linking said plurality of said data operators together in a network;

creating a visual representation of said network;

detecting whether said data source is a data stream or a database;

evaluating said operators against at least said database when said data source includes one or more databases and evaluating a data unit against said data operators when said data source includes one or more data streams; and

creating a plurality of output indicators corresponding to each of said operators on said visual representation of said network, wherein said output indicators visually represent a quantified output of said corresponding data operators.

2. (Canceled)

3. (Previously Presented) A method as in claim 1, further comprising:

compiling said network by combining one or more said data operators into a single composite operator when said data source includes one or more data streams; and

compiling said network by assigning a document identifier to one or more said data operators, combining said data operators having a document identifier into an operator database and inverting that operator database when said data source includes one or more databases.

Attorney Docket No.: 940630-010018

4. (Original) A method as in claim 3, wherein:  
each said data operator receives a listing of data context identifiers having one or more corresponding document features.
5. (Original) A method as in claim 4, wherein:  
said document features are chosen from a group consisting of terms, extracted entities, term relations, term counts, term distribution, discourse markers, feature distribution, reference data deriving from said data source.
6. (Canceled)
7. (Original) A method as in claim 6, wherein: 1  
data from said data source is transmitted over a network to a computer which evaluates said data.
8. (Original) A method as in claim 7, wherein said network comprises the Internet.

Attorney Docket No.: 940630-010018

9. (Currently Amended) In a computer-assisted information analysis system employing data

operators including search terms and filters, a [A computer assisted] method for analyzing information from a data source, comprising:

selecting one or more data sources, wherein said data sources contain at least one of the group consisting of a text file, audio file, video file, graphic file, and picture file;

selecting a plurality of said data operators for analyzing information;

linking said data operators together in a network;

creating a visual representation of said network;

linking said network to said data source in said visual representation;

compiling said network and evaluating said data source using said network when said network is visually linked to said data source; and

creating a plurality of output indicators corresponding to each of said operators on said visual representation of said network, wherein said output indicators visually represent a quantified output of said corresponding data operators.

10. (Original) A method as in claim 9, further comprising:

compiling said network by combining one or more said data operators into a single composite operator when said data source includes one or more data streams; and

compiling said network by assigning a document identifier to one or more said data operators, combining said data operators having a document identifier into an operator database and inverting that operator database when said data source includes one or more databases.

11. (Original) A method as in claim 10, wherein:

each said data operator receives a listing of data context identifiers having one or more corresponding document features.

Attorney Docket No.: 940630-010018

12. (Original) A method as in claim 11, wherein:  
said document features are chosen from a group consisting of terms, extracted entities, term relations, term counts, term distribution, discourse markers, feature distribution, reference data deriving from said data source.
13. (Canceled)
14. (Original) A method as in claim 13, wherein: 12  
data from said data source is transmitted over a network to a computer which evaluates said data.
15. (Original) A method as in claim 14, wherein said network comprises the Internet.
16. (Previously Presented) A method as in claim 9, wherein said output indicators further represent a quantified input of said corresponding data operators.
17. (Previously Presented) A method as in claim 16, wherein said output indicators display the number of input documents and the number of output documents for said data operators.
18. (Original) A method as in claim 17 wherein said display comprises a pie chart.
19. (Original) A method as in claim 17 wherein said display comprises a bar chart.
20. (Original) A method as in claim 17 wherein said display comprises a term map.
21. (Previously Presented) A method as in claim 9, wherein each of said output indicators represent a response function initiated by said corresponding data operator.

Attorney Docket No.: 940630-010018

22. (Previously Presented)

In a computer-assisted information analysis system  
employing data operators including search terms and filters, a [A] method for automatically  
responding to information received from a data stream, comprising:

selecting a plurality of said data operators for detecting whether information satisfies a  
desired constraint;

linking said data operators together in a network;

creating a visual representation of said network;

linking said data stream to said network in said visual representation;

evaluating said received information against said network;

automatically generating a programmed response when a constraint from at least one  
network operator is satisfied; and

creating an output indicator corresponding to each of said data operators, said indicator  
representing a response function initiated by one of said operators, wherein said output indicators  
visually represent a quantified output of said corresponding data operators.

23. (Canceled)

24. (Canceled)

25. (Original) A method, as in claim 22, wherein said programmed response comprises  
generating a text message.

26. (Original) A method, as in claim 22, further comprising:  
  
creating an output indicator, said indicator representing a response function initiated by one of  
said data operators.

Attorney Docket No.: 940630-010018

27. (Original) A method, as in ~~claim 26~~, wherein said output indicator represents an email message.
28. (Original) A method, as in ~~claim 26~~, wherein said output indicator represents a telephone voice message.
29. (Original) A method, as in ~~claim 26~~, wherein said output indicator represents a text message.
30. (Original) A method, as in ~~claim 26~~, further comprising:  
transmitting said output indicator over a computer network.
31. (Original) A method, as in ~~claim 27~~, further comprising:  
transmitting said output indicator over a computer network.
32. (Original) A method, as in ~~claim 28~~, further comprising:  
transmitting said output indicator over a computer network.
33. (Original) A method, as in ~~claim 29~~, further comprising:  
transmitting said output indicator over a computer network.